

# XP-002156453

AN - 1988-295328 [42]

A - [001] 014 028 04- 055 056 074 076 081 082 135 137 143 147 150 198 226  
231 239 250 294 31- 336 341 347 353 359 431 438 47& 473 477 48- 52&  
540 57& 575 58- 596 656 681 688 691 720 723 724

AP - JP19870044904 19870227

CPY - SUMQ

DC - A82 G02 M13 P42 P73

DR - 0993-U 5042-U 5196-U

FS - CPI;GMPI

IC - B05D3/06 ; B05D7/14 ; B32B15/08

KS - 0013 0036 0231 0304 0493 0535 1233 1279 1282 1288 1294 1588 2014 2016  
2020 2021 2022 2066 2068 2079 2194 2198 2300 2432 2439 2493 2654 2728  
3004 3204 3205 3255 3293

MC - A11-C02B A11-C02C A12-B04 G02-A05E M13-H05 M14-K

PA - (SUMQ ) SUMITOMO METAL IND LTD

PN - JP63214375 A 19880907 DW198842 005pp

PR - JP19870044904 19870227

XA - C1988-130842

XIC - B05D-003/06 ; B05D-007/14 ; B32B-015/08

XP - N1988-224057

AB - J63214375 A radically polymerisable UV-curing resin composite is  
coated on the surface of a metallic base material; then UV-light is  
irradiated on the coating in the inert gas atmos. contg. less than 0.5  
vol.% O<sub>2</sub>.

- Resins include polyester (meth)acrylate, polyurethane (meth)acrylate,  
poxy (meth)acrylate, trimethylolpropane acrylate, polyethyleneglycol  
diacrylate, styrene, methylacrylate, and others are usable. Opt.  
sensitisers like benzoin, benzoin methylether, or 2-ethylanthraquinone  
can be admixed in 0.1-10 wt.%.

- USE/ADVANTAGE - The reaction between atmospheric O<sub>2</sub> and reactive  
radicals generated by UV-light irradiation is inhibited and peroxide  
formation on the surface of the coating is effectively suppressed; so  
the resultant resin coating about 10 microns thick has a lower water  
permeability, providing an improved anti-corrosion effect. Metallic  
base materials of carbon steel, stainless steel, alloyed steel, or  
aluminium are coated.(0/2)

AW - METHACRYLATE

AKW - METHACRYLATE

IW - ANTICORROSIVE ULTRAVIOLET CURE RESIN COATING METALLIC BASE MATERIAL  
OBTAIN COATING RESIN POLYURETHANE METHO ACRYLATE BASE MATERIAL  
IRRADIATE ULTRAVIOLET LIGHT INERT ATMOSPHERE

IKW - ANTICORROSIVE ULTRAVIOLET CURE RESIN COATING METALLIC BASE MATERIAL  
OBTAIN COATING RESIN POLYURETHANE METHO ACRYLATE BASE MATERIAL  
IRRADIATE ULTRAVIOLET LIGHT INERT ATMOSPHERE

NC - 001

OPD - 1987-02-27

ORD - 1988-09-07

PAW - (SUMQ ) SUMITOMO METAL IND LTD

Tl - Anticorrosion UV-curing resin coating on metallic base material -  
obtd. by coating resin e.g. polyurethane (meth) acrylate on base  
material and irradiating with UV light in inert atmos.

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